

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

224010-861

Component Diesel Engine Fluid

CHEVRON DELO 400 XLE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

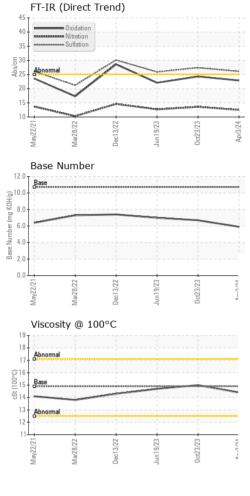
Fluid Condition

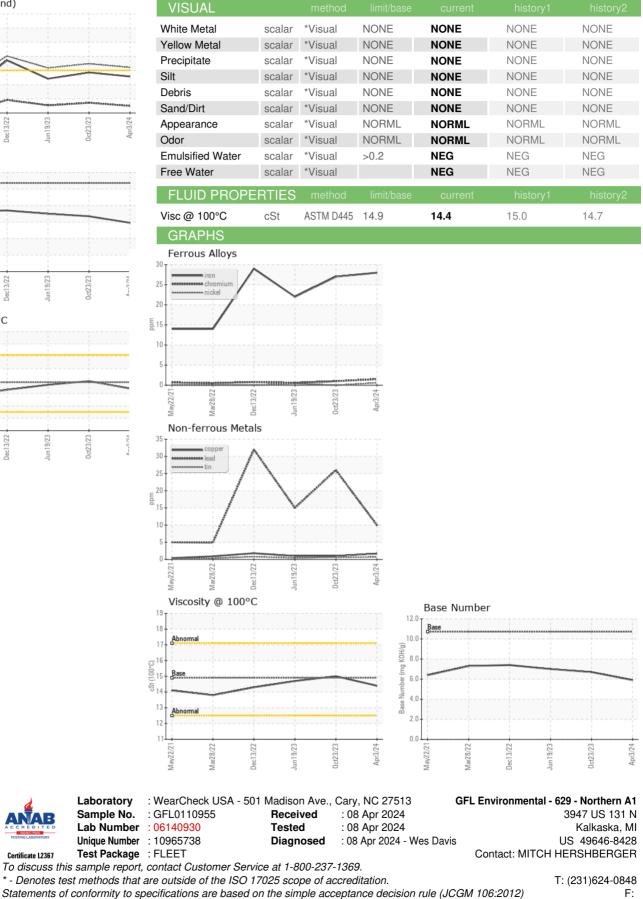
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110955	GFL0084483	GFL0073486
Sample Date		Client Info		03 Apr 2024	23 Oct 2023	19 Jun 2023
Machine Age	hrs	Client Info		16456	15859	15282
Oil Age	hrs	Client Info		597	577	677
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method	20.2	NEG	NEG	NEG
-	_			NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	28	27	22
Chromium	ppm	ASTM D5185m	>20	2	1	<1
Nickel	ppm		>4	<1	0	<1
Titanium	ppm	ASTM D5185m		15	16	15
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	5	3
Lead	ppm	ASTM D5185m	>40	10	26	15
Copper	ppm	ASTM D5185m	>330	2	1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		84	61	75
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		63	58	57
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		775	825	742
Calcium	ppm	ASTM D5185m		1655	1751	1714
Phosphorus	ppm	ASTM D5185m	760	798	818	769
Zinc	ppm	ASTM D5185m	830	993	1029	928
Sulfur	ppm	ASTM D5185m	2770	3216	3250	3384
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	8	6
Sodium	ppm	ASTM D5185m		5	6	2
Potassium	ppm	ASTM D5185m	>20	11	13	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.8	0.7
Nitration	Abs/cm	*ASTM D7624	>20	12.5	13.6	12.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.1	27.4	25.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.9	24.3	22.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.9	6.7	7.0
	9.0.09					-



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Certificate 12367

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